METHOD AND SYSTEM FOR PROGRAMMABLE SUBMARINE NETWORK CONFIGURATION PLANS TO ENABLE DIVERSE SERVICE LEVEL AGREEMENTS IN TELECOMMUNICATION NETWORKS

ABSTRACT OF THE DISCLOSURE

An approach for providing network management of a submarine cable network. A line terminating equipment monitors a plurality of physical connections of the submarine cable network. A network management module receives selectively an alarm signal from the line terminating equipment or network management system and reconfigures the submarine cable network based upon the received alarm signal. According to one embodiment of the present invention, the submarine cable network is a dense wave division multiplexing (DWDM) system.